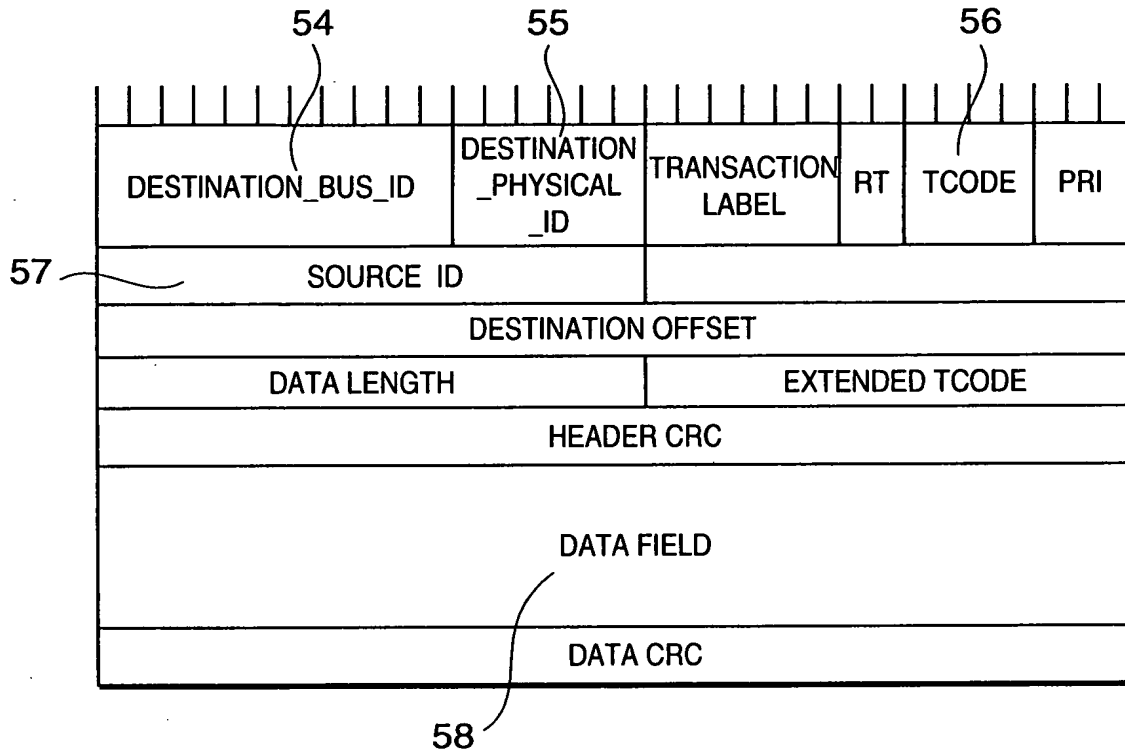


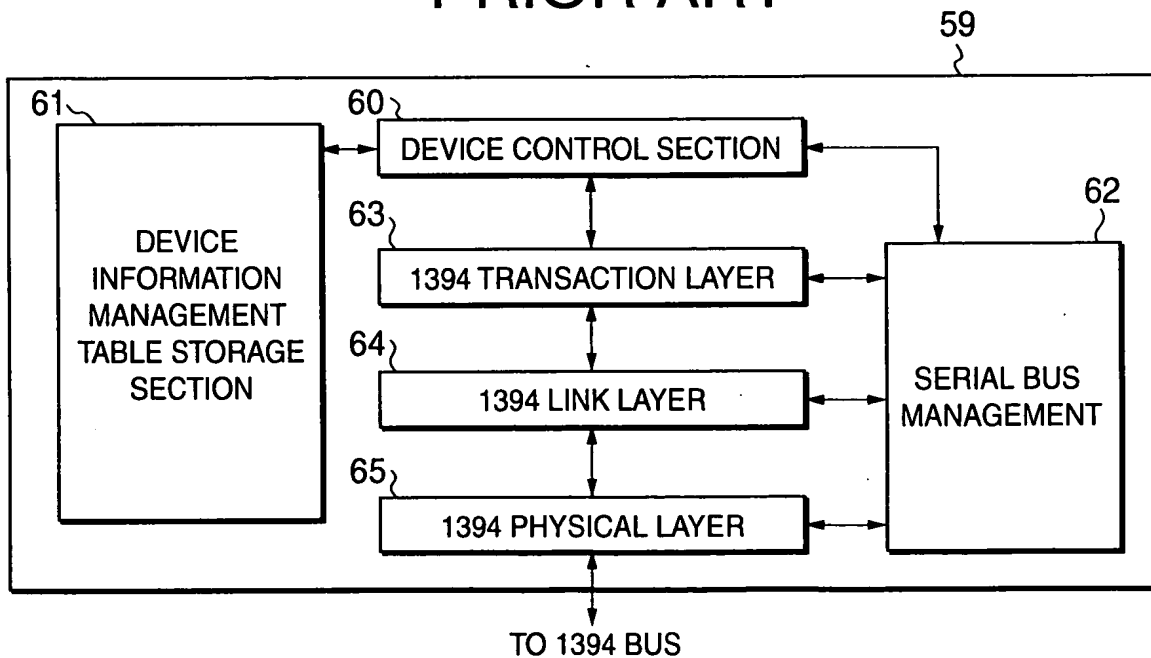
# FIG. 1

## PRIOR ART

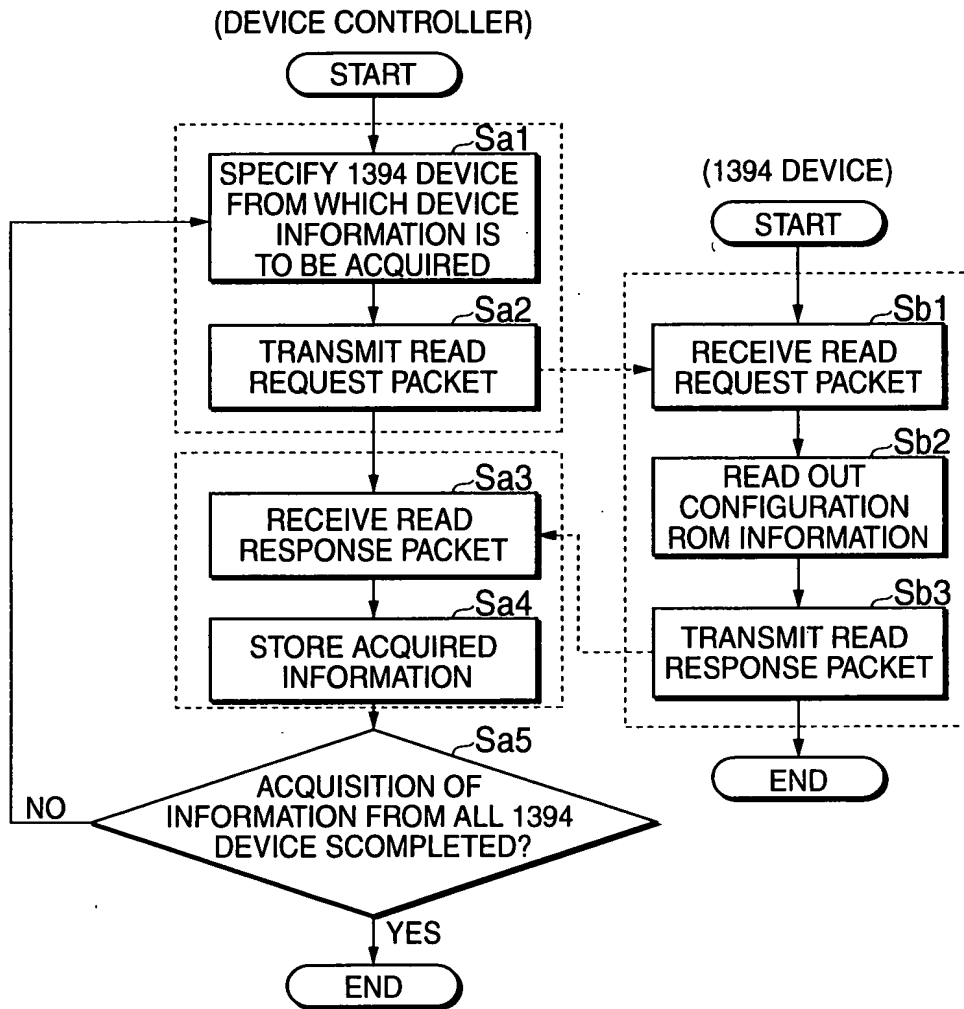


# FIG. 2

## PRIOR ART



# FIG. 3 PRIOR ART



# FIG. 4 PRIOR ART

66 PHYSICAL ID	67 DEVICE INFORMATION
0	CONFIGURATION ROM INFORMATION 1
1	CONFIGURATION ROM INFORMATION 2
⋮	⋮
62	CONFIGURATION ROM INFORMATION 62

FIG. 5  
PRIOR ART

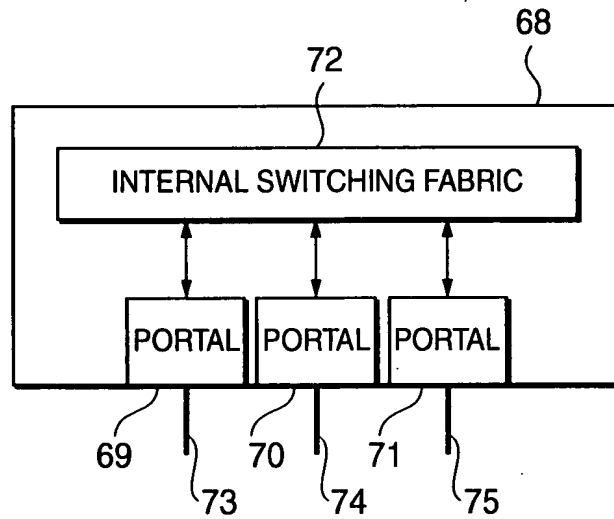
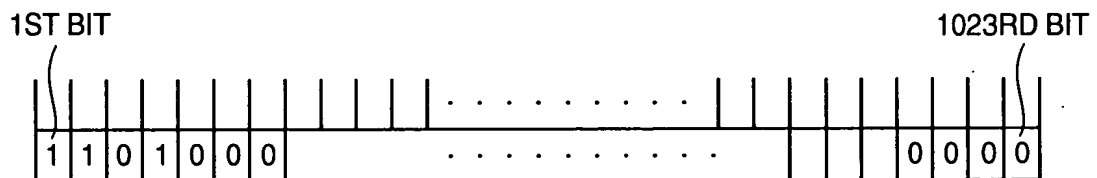


FIG. 6  
PRIOR ART



**FIG. 7**

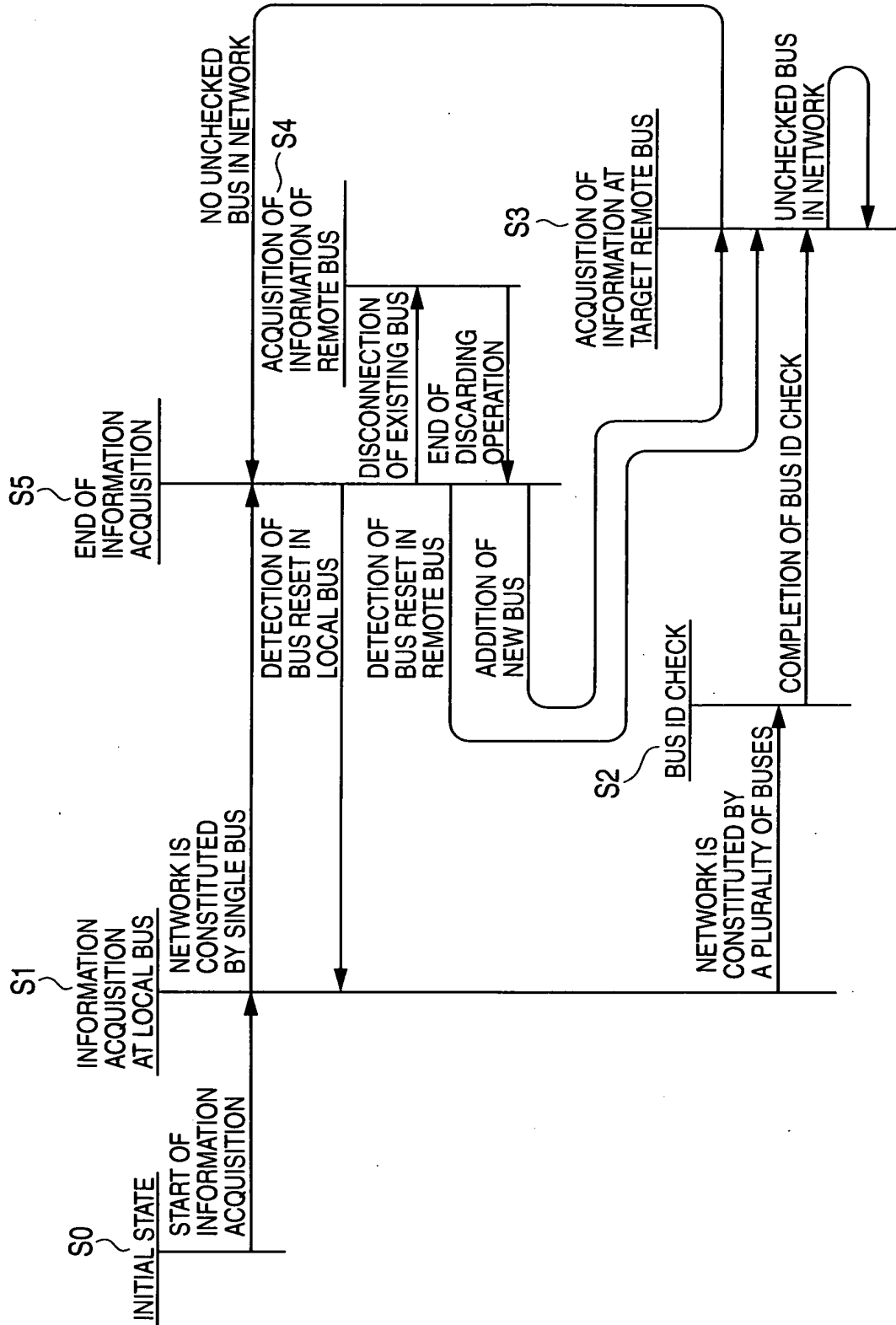


FIG. 8

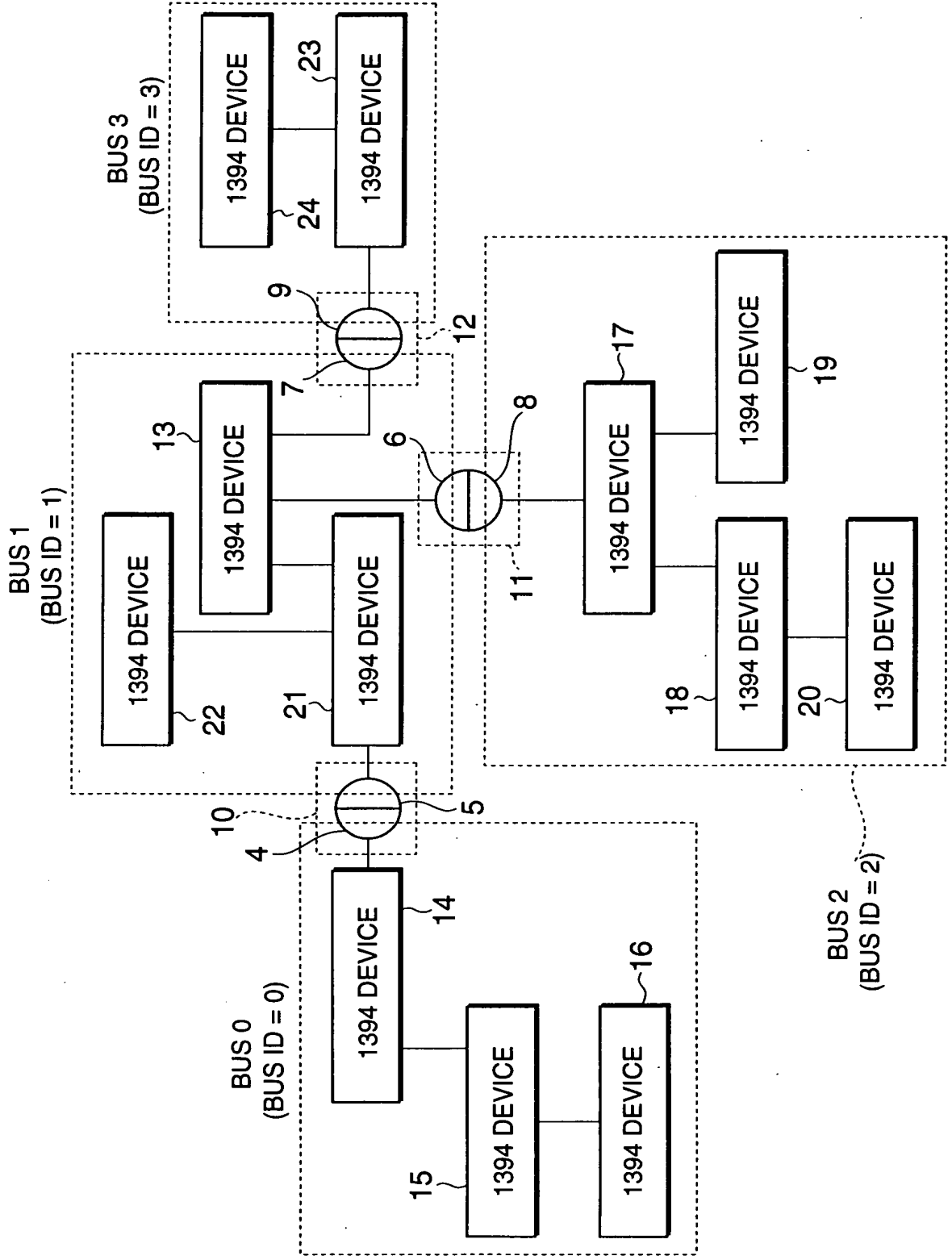


FIG. 9

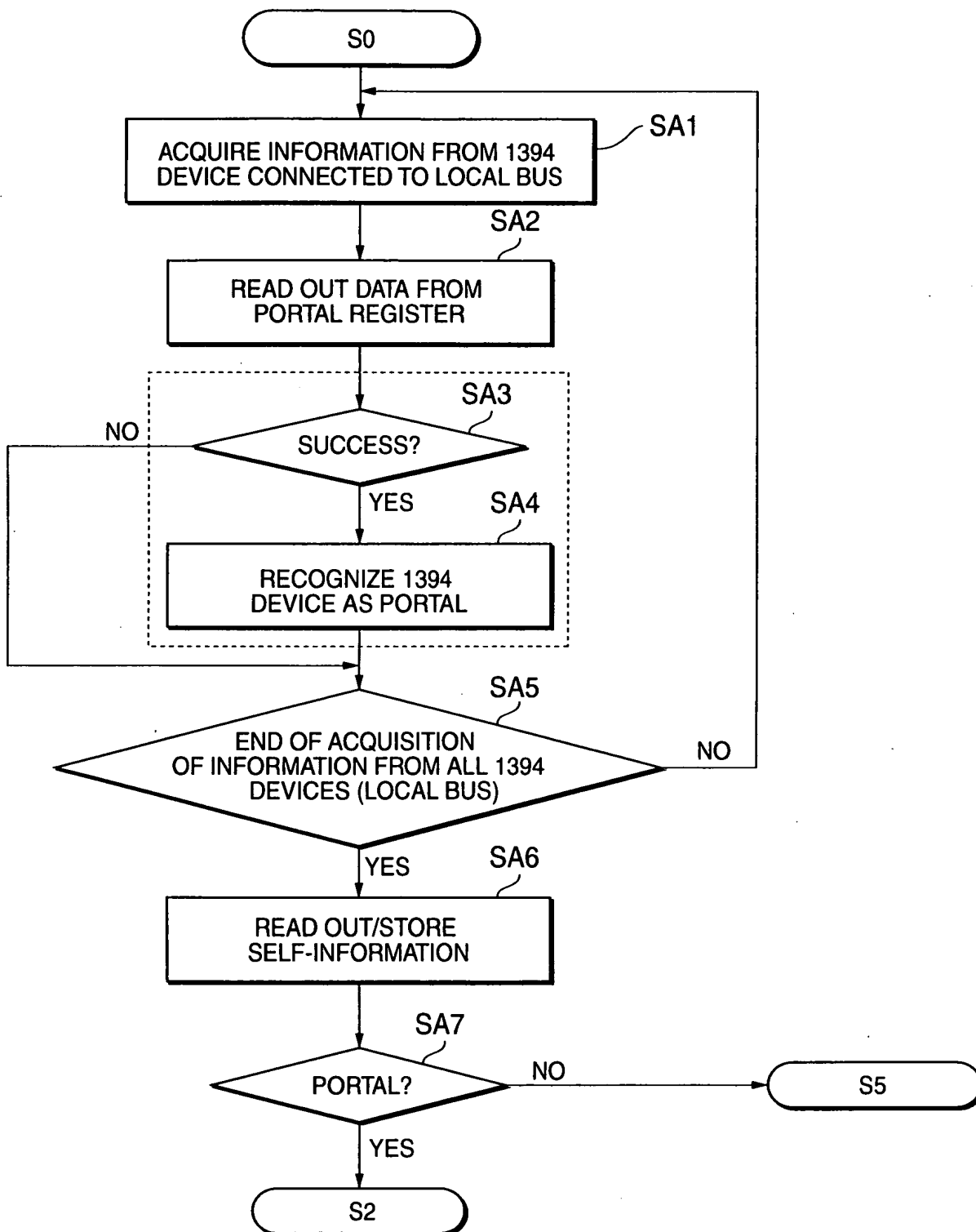
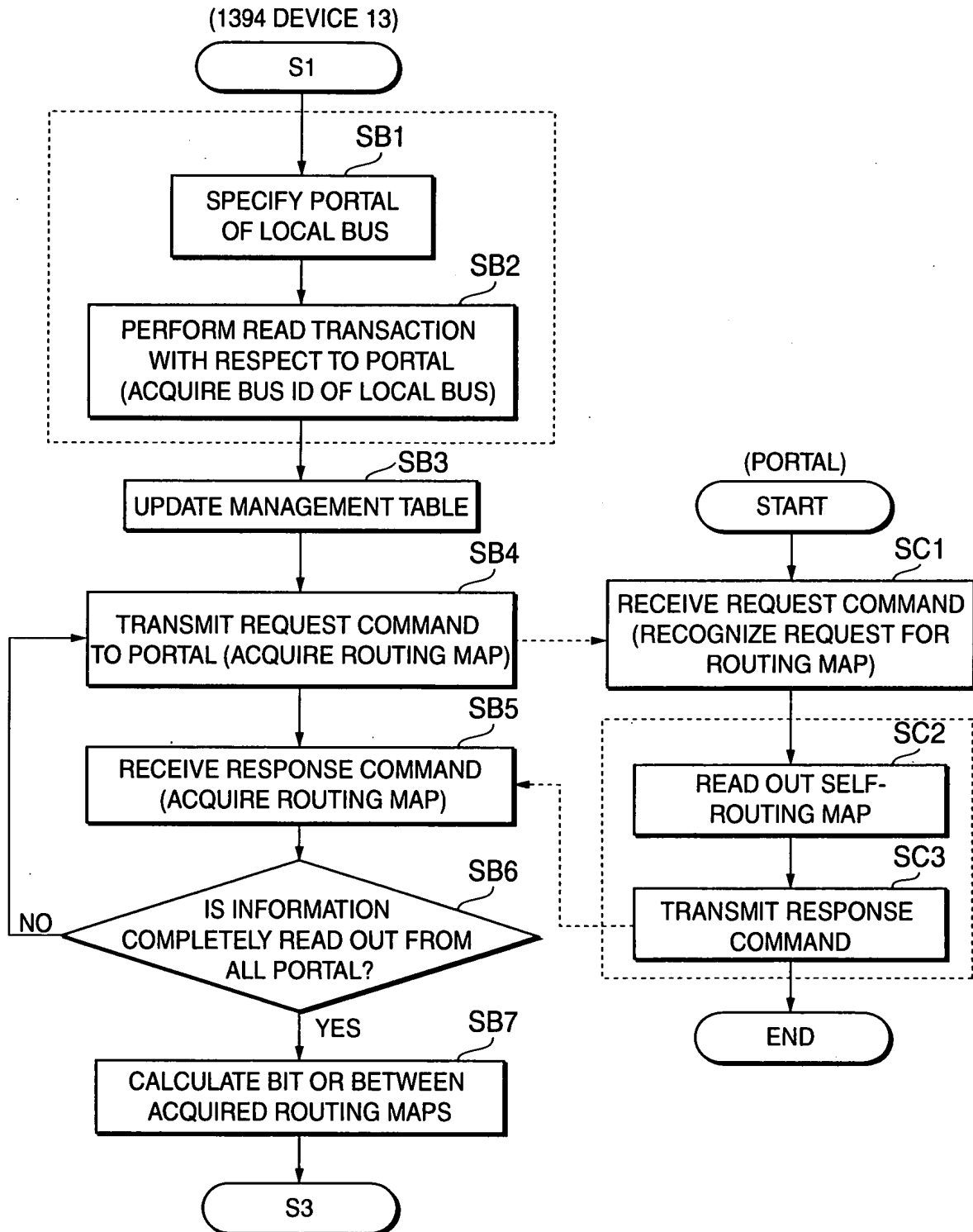




FIG. 11





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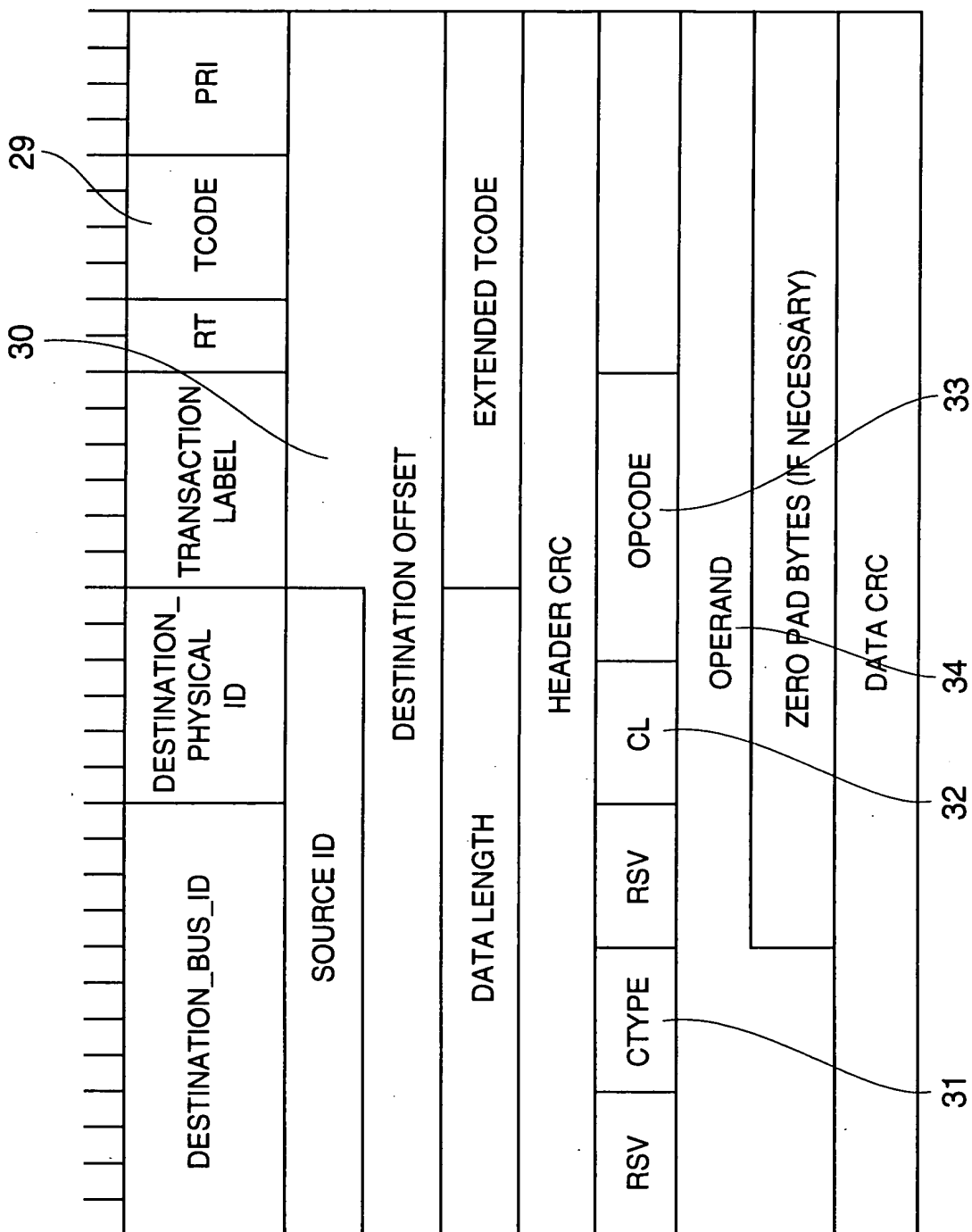


FIG. 13

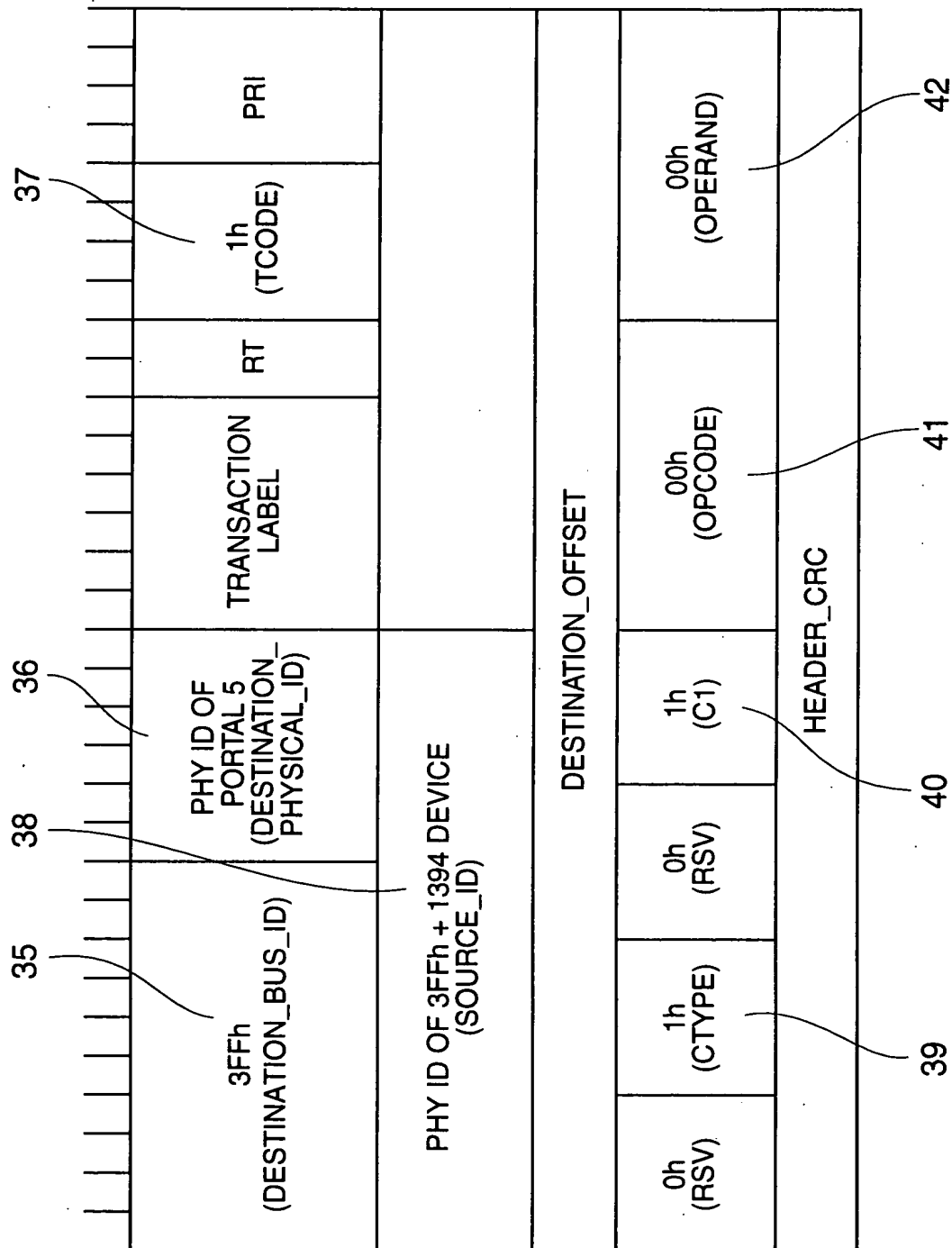
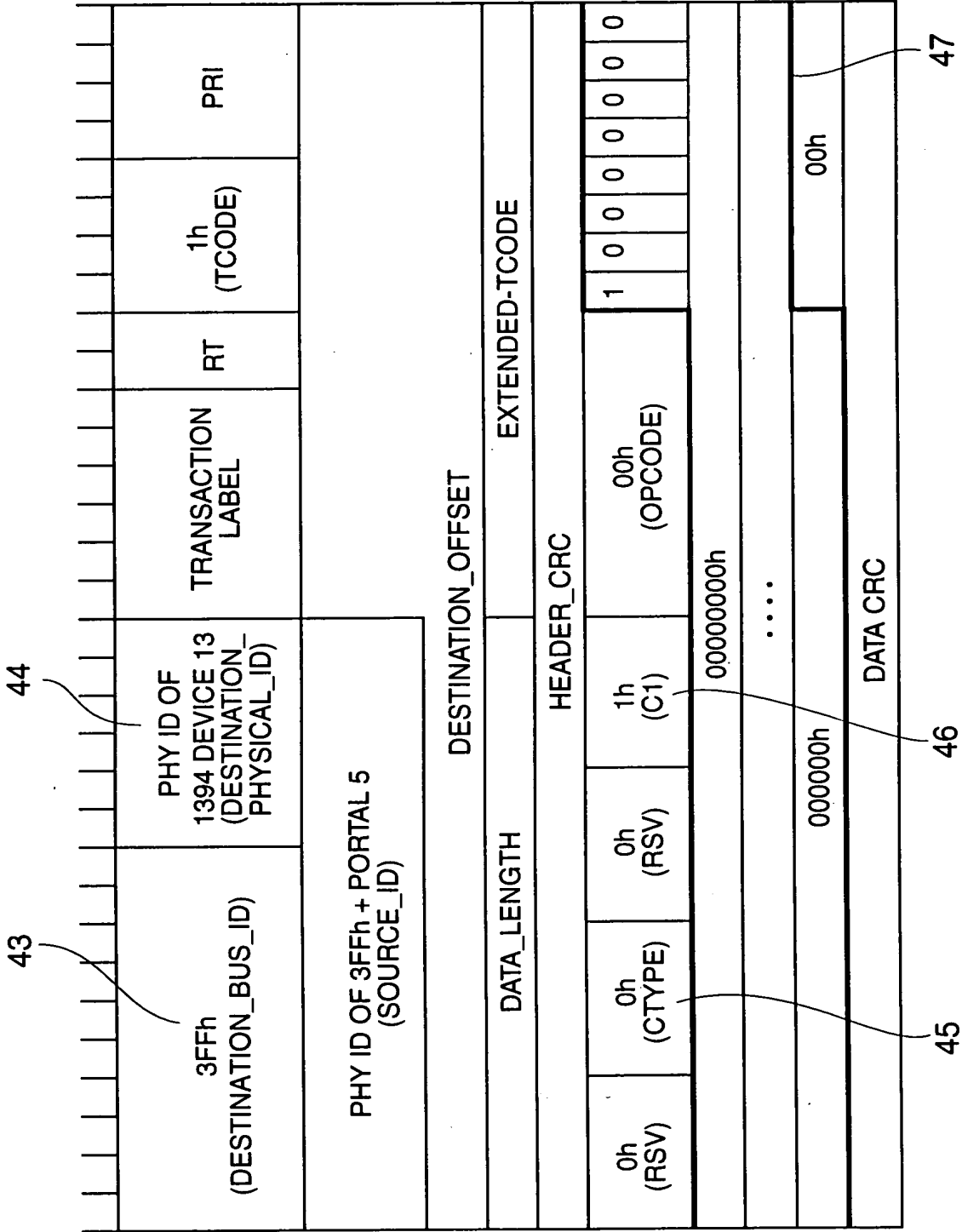


FIG. 14



```

graph TD
    S5_1([S5]) --> SD1{SD1  
UNCHECKED  
REMOTE BUS?}
    SD1 -- NO --> SD8[SD8  
TRANSMIT REQUEST COMMANDS  
TO ALL PORTALS OF LOCAL BUS  
(REQUEST NOTIFICATION OF  
UPDATING OF ROUTING MAP)]
    SD1 -- YES --> SD2[SD2  
TRANSMIT REQUEST COMMAND TO  
ALPHA PORTAL OF REMOTE BUS  
(REQUEST FOR LIST OF VIRTUAL IDS)]
    SD2 --> SD3[SD3  
RECEIVE RESPONSE COMMAND  
(ACQUIRE LIST OF VIRTUAL IDS)]
    SD3 --> SD4[SD4  
ACQUIRE DEVICE  
INFORMATION]
    SD4 --> SD5[SD5  
STORE DEVICE  
INFORMATION]
    SD5 --> SD6{SD6  
COMPLETED?}
    SD6 -- NO --> SD4
    SD6 -- YES --> SD7[SD7  
TRANSMIT REQUEST COMMAND  
TO ALPHA PORTAL OF REMOTE BUS  
(REQUEST NOTIFICATION OF BUS RESET)]
    SD7 --> SD1
    SD8 --> SE1[SE1  
RECEIVE REQUEST COMMAND  
(RECOGNIZE REQUEST FOR  
LIST OF VIRTUAL IDS)]
    SE1 --> SE2[SE2  
RECOGNIZE TABLE INDICATING  
CORRESPONDENCE BETWEEN  
PHY IDS AND VIRTUAL IDS]
    SE2 --> SE3[SE3  
TRANSMIT RESPONSE  
COMMAND]
    SE3 --> END([END])

```

**FIG. 16**

BUS ID (10BIT)	PHY ID (6BIT)	DEVICE INFORMATION	PORTAL
001h	00h	DEVICE INFORMATION OF 1394 DEVICE 21	0
001h	01h	DEVICE INFORMATION OF PORTAL 6	1
001h	02h	DEVICE INFORMATION OF PORTAL 3	1
001h	03h	DEVICE INFORMATION OF NODE 13	0
001h	04h	DEVICE INFORMATION OF 1394 DEVICE 22	0
001h	05h	DEVICE INFORMATION OF PORTAL 5	1
000h	00h	DEVICE INFORMATION OF PORTAL 4	1
000h	01h	DEVICE INFORMATION OF 1394 DEVICE 14	0
000h	02h	DEVICE INFORMATION OF 1394 DEVICE 15	0
000h	03h	DEVICE INFORMATION OF 1394 DEVICE 16	0
002h	00h	DEVICE INFORMATION OF PORTAL 11	1
.	.	.	.
.	.	.	.
.	.	.	.
003h	02h	DEVICE INFORMATION OF 1394 DEVICE 24	0

FIG. 17

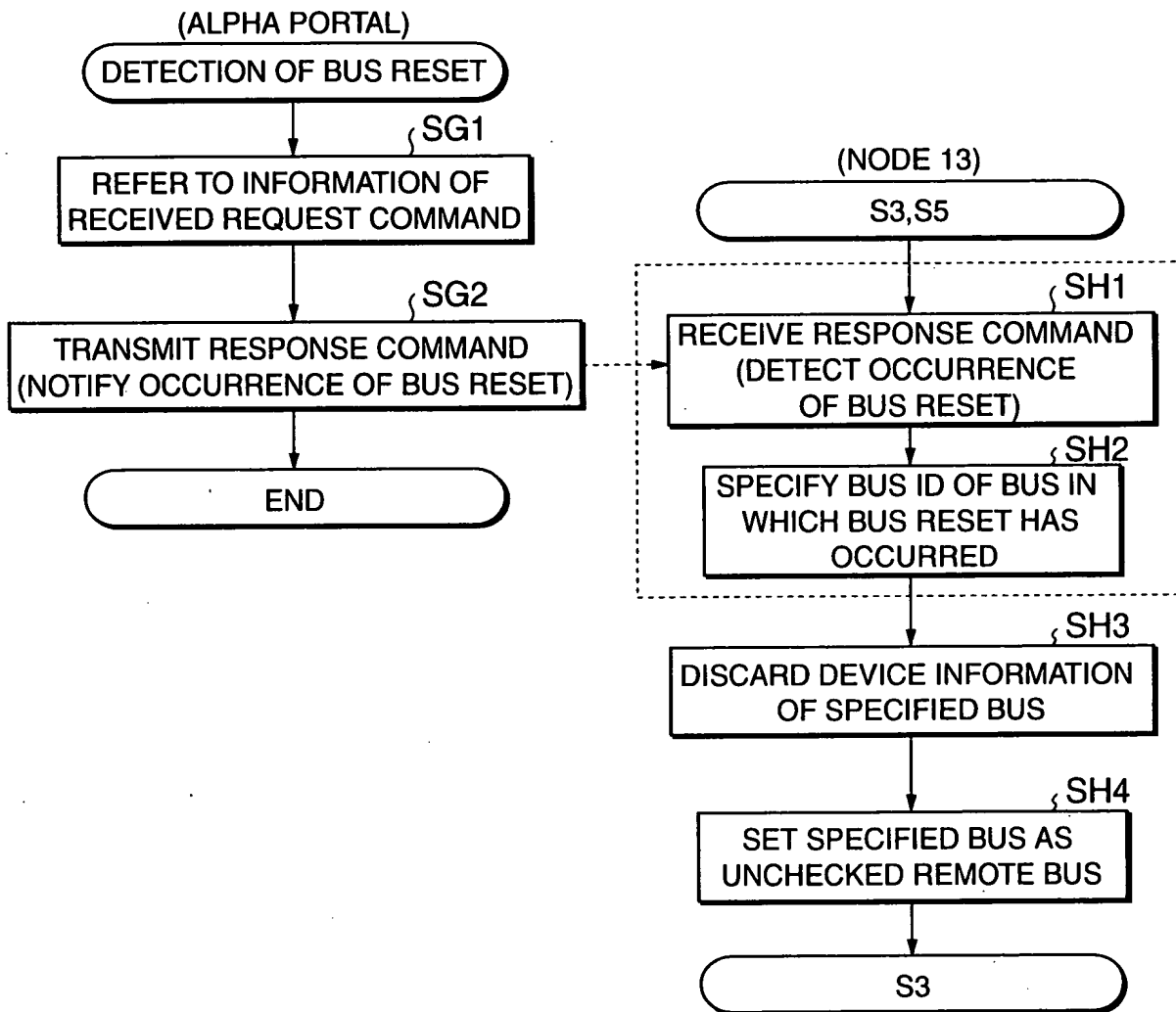


FIG. 18

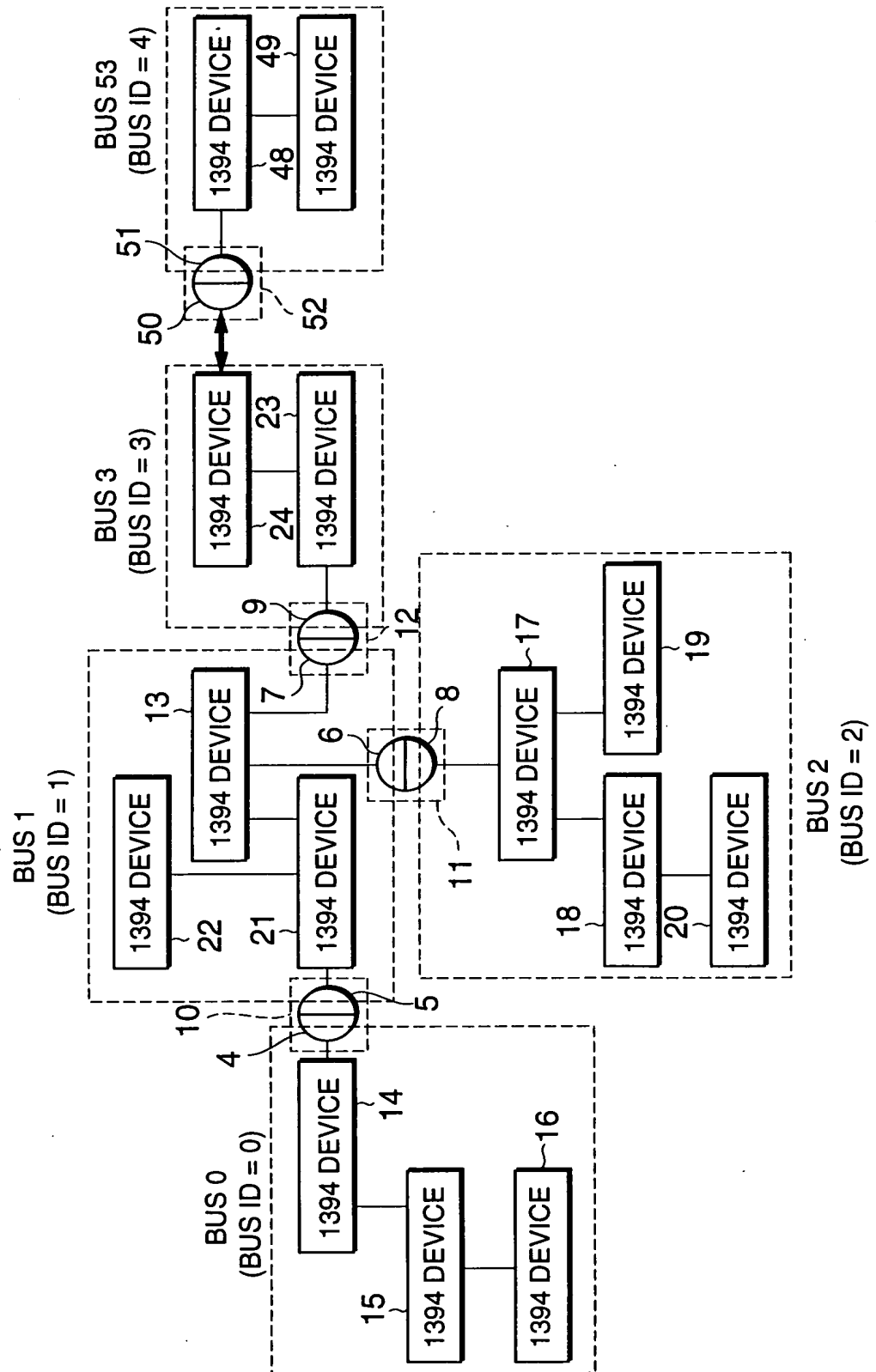


FIG. 19

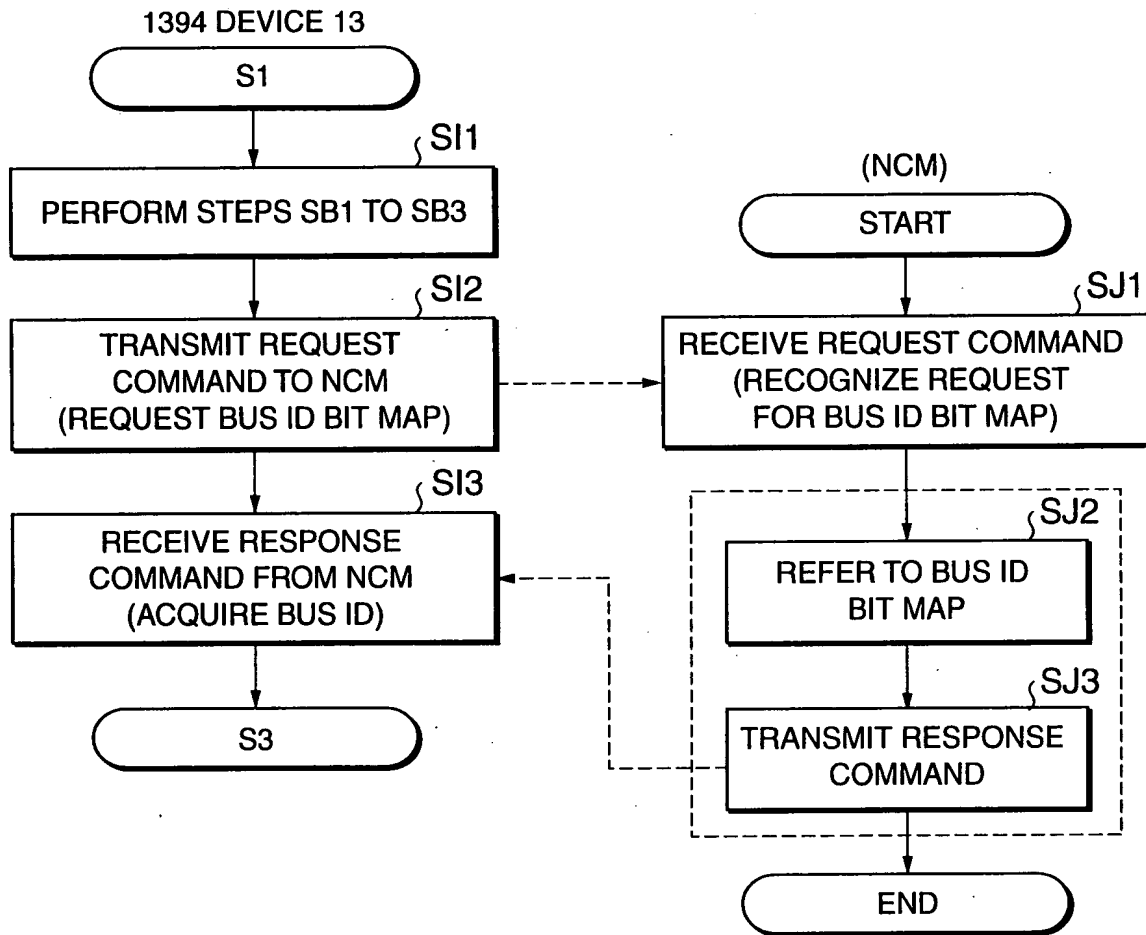




FIG. 20

